## LITHOLOGIC LOG

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| LOCATION MAP: | <del></del> | 1     |
|---------------|-------------|-------|
|               | 300-D-153'  | NORTH |
|               |             | ···   |

SITE ID: NASA-WSTF LOCATION ID: 300-D-153

SITE COORDINATES (ft.):

N 231987.23 E 422914.50

GROUND ELEVATION (ft. MSL): 5108.71 (BRASS CAP)

STATE: NEW MEXICO COUNTY: DOÑA ANA

DRILLING METHOD: MUD/AIR-FOAM ROTARY

DRILLING CONTR.: LARJON

DATE STARTED: 25 MARCH 1988 DATE COMPLETED: 4 APRIL 1988

FIELD REP.: J. KASZUBA, R. COOPER, E. MORSE, P. EGAN

SW 1/4 SW 1/4 NE 1/4 NE 1/4 S 36 T 20S R 3E

COMMENTS: 12 1/4" bit w/mud 0'-52'. 7 7/8" bit 52'-185'.

3 3/4" core barrel 185'-194'. Bedrock at 75'. Total depth = 194'.

3 3/4" core barrel 185'-194'. Bedrock at 75'. Total depth = 194'.

| 3 3/4" core barrel 185 -194 . Bedrock at /5 . lotal depth = 194 .  LOCATION DESCRIPTION: |       |                             |                             |          |   |  |
|--|-------|-----------------------------|-----------------------------|----------|---|--|
| Depth Visual X   |       | Drilling Time<br>Scale: min | Sample Type<br>and Interval |          | Lithologic Description  |  |
| 5 11 11 11 11 12 12  |       | 0'-52'<br>not available     | 0'-185'<br>cuttings         | 0'-75'   | ALLUVIUM (Santa Fe Group): Sample ranges from dark yellowish orange (10YR 6/6) to pale brown (5YR 5/2); cuttings range in diameter from <0.1 inches to 0.5 inches, average diameter is 0.2 inches; angular to subangular; poorly sorted. Consolidated (?) alluvium comprised of conglomerate containing silts through boulders. Caliche |  |
| 10   | 9,20  |                             |                             |          | horizon at 60'-65'. Lithology of cuttings:<br>dark gray (N3) limestone, moderate reddish<br>brown (10R 4/6) siltstone, moderate orange<br>pink (10R 7/4) sandstone, very light gray<br>(N8) rhyolite, medium light gray (N6) chert<br>and white (N9) quartz.  |  |
| 15   |       |                             |                             |          |   |  |
| 20   |       |                             |                             | 20'-30'  | Average diameter of cuttings decreases from 0.2 to 0.1 inches.  |  |
| 25 HARRY   |       | d<br>d                      |                             |          | ,   |  |
| 30 HHHS ZZV  | 4 2 3 |                             |                             | 30'-45'  | Average diameter of cuttings increases to 0.2 inches.   |  |
| 35 HH 3 5 V  |       |                             |                             |          |   |  |
| 40   |       |                             |                             |          |   |  |
| 45 THHE SOLV   |       |                             |                             |          |   |  |
| 50   | V/A   |                             |                             |          |   |  |
|  |       | 6.                          |                             | <u> </u> |   |  |